



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090970-B

**Mode:** Highway

**Status:** Submitted

### NC-150

**From/Cross Street:** Forsyth County Line

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** SR 1493 Frye Bridge/Welcome Arcadia Road

**Project Category:** Regional Impact

**Length:** 4.51

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$41,327,000

#### Description:

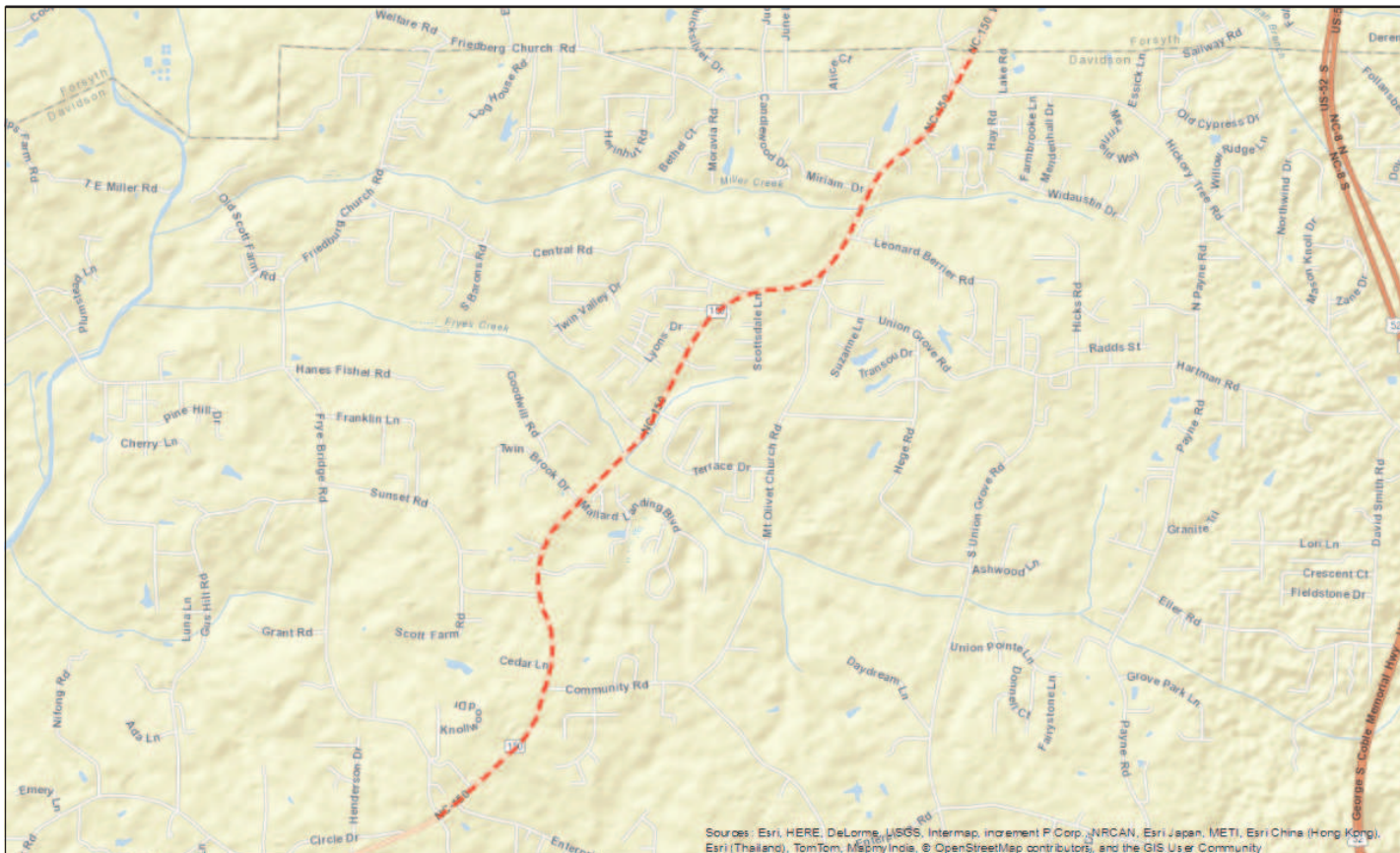
County Line to SR 1493 (Frye Bridge/Welcome Arcadia Rd). Widen to Multi-Lanes. Add to Stip

**Division(s):** Division 9

**County(s):** DAVIDSON

**MPOS(s)/RPO(s):** Winston Salem Urban Area MPO

### Project Location



**Statewide Mobility Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 53.34**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%) 44.71	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 87.48		
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 34.16		
<b>Totals: Weight: 70% Weighted Score: 23.34</b>		

**Division Needs Total Score: 17.69**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 44.71	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 87.48		
[Travel Time] Benefit/Cost (20%) 0.00		
<b>Totals: Weight: 50% Weighted Score: 17.69</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	4.51
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	10558.86
Capacity:	15647.35
Volume/Capacity Ratio:	0.67
% Autos:	98%
% Trucks:	2%
Truck Volume:	262.23
Crash Density:	92.44
Crash Severity:	92.36
Critical Crash Rate:	77.67
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	78
Actual Congested Speed:	45.05
Travel Time Index:	1.22

**Project Benefits**

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	4.51
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	-757069.22
Travel Time Savings for 30 Years (Autos):	-738267.22
Travel Time Savings for 30 Years (Trucks):	-18802
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 9

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 9	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Winston Salem Urban Area MPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$33,149,000	Cost Estimation Tool
Right-of-Way Cost:	\$7,302,000	Cost Estimation Tool
Utilities Cost:	\$876,000	Cost Estimation Tool
Total Project Cost:	\$41,327,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$41,327,000</b>	